l'extbook:	Physics by Gia	ancoli		SP211 Course Outline*		Fall 2001
LESSON	SCHEDULE	TEXT		TOPIC	LAB (Lab Manual)	MATH
NUMBER		СН	SEC		(,	REVIEW**
1	Week 1			Administration, Diagnostic Exams, etc.	Week 1:	
2	(20-24 Aug.)	1	1-6	Measurement, Units, Estimating	Introduction to	6.5
3	(20 2 : 110g.)	2	1-4	1D Velocity and Acceleration	Laboratory	2.1
4	Week 2		5-7	1D Constant Acceleration	Lacoratory	2.6
5	(27-31 Aug.)	3	1-5	Vectors	Week 2:	9.2
6	(27-31 Aug.)	3	6-8		1D Kinematics	10.4
0	Week 3		0-8	Projectile Motion Labor Day	1D Killematics	10.4
7			0.10	*	Wash 2.	10.4
7	(3-7 Sept.)	4	9-10	Circular Motion, Relative Velocity	Week 3:	10.4
8	337 1 4	4	1-5	Forces and Newton's Laws	2D Kinematics	6.5
9	Week 4		6	Weight, Normal Force and Tension		9.2
10	(10-14 Sept.)		7-8	Free-Body Diagrams	Week 4: Newton's	
11		5	1	Friction	First & Second Laws	
12	Week 5		2-3	Circular Motion (Dynamics)		10.4
13	(16-21 Sept.)	6	1-3	Newton's Law of Universal Gravitation	Week 5: Newton's	6.5
14	Lecture demor	ıstratio	on on Fr	iday, 21 Sept. in Michelson 117	Centripetal Force	
15	Week 6		4-5	Kepler's Laws and Orbital Motion		10.4
17	(23-28 Sept.)			Time reserved for exam. Actual date TBA	Week 6: TBA	
18		7	1-3	Work		6.5
19	Week 7		4	Kinetic Energy	Week 7:	13.3
	(1-5 Oct.)			Six Week Grades Due	Work and Energy	
20		8	1-2	Potential Energy		13.3
21			3-6	Conservation of Mechanical Energy		13.3
	Week 8			Columbus Day	Week 8: TBA	
22	(8-12 Oct.)		7-8	Escape Velocity, Power		6.5
23	(0 12 001.)	9	1-2	Linear Momentum	Week 9:	0.5
24	Week 9		3	Collisions and Impulse	1D Collisions	
25	(15-19 Oct.)		4-5	Elastic Collisions	TD Comsions	
26	(13-19 Oct.)		6-7	Inelastic Collisions	Week 10:	
	Wash 10				2D Collisions and	65 105 10
27	Week 10		8-9	Center of Mass		6.5, 12.5, 12
28	(22-26 Oct.)	4.0			Center of Mass	10.1
29		10	1-3	Rotational Kinematics		10.4
30	Week 11		4-5	Torque	Week 11:	9.4
31	(29 Oct2 Nov.)		6-7	Rotational Dynamics	Rotational	10.4
32		ıstratic		riday, 2 Nov. in Michelson 117	Kinematics and	
33	Week 12		9	Conservation of Angular Momentum	Dynamics	10.4
	(5-9 Nov.)			Twelve-week Grades Due		
34		13	1-4	Pressure	Week 12: TBA	6.5
35			6	Buoyancy and Archimedes' Principle		
	Week 13			Veteran's Day	Week 13:	
36	(12-16 Nov.)		7-9	Bernoulli's Equation	Simple Harmonic	
37		14	1-3,5	Oscillations	Motion	6.5 (Hooke'
38	Week 14		7,8	Damped and Forced Oscillations		Law)
39	(19-23 Nov.)	15	1-2,4	Waves	Week 14: TBA	
				Thanksgiving		
40	Week 15		6-9	Reflection and Transmission, Resonance	Week 15:	
41	(26-30 Nov.)	16	4,6	Guitars and Organ Pipes, Beats	Standing Waves	
42	, ,			iday, 30 Nov. in Michelson 117	on a String	
	1 Dec.	and	510 1 1	Army/Navy Game	u Sumg	
43	Week 16		7	Doppler Effect		
44			/	Review		
	(3-5 Dec.)		. 41	rse are the alternate odd problems in the tex	4.00 2 7 11	
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